ABSTRACT OF THE DISCLOSURE

An object-oriented context programming system is formed with data objects. Each data object defines a class of object which will typically have at least one attribute. This attribute is stored in the database with an indication of the effective context, e.g., time, of the attribute. Any change in attribute, e.g., over time, is also stored in the data object along with an indication the context in which it is effective. In a temporal context, it would be saved with the time of effect of the change in the attribute. Methods associated with the class, and which the class can carry out, have an argument which includes the context, which could be time. These methods are also stored in the database with an indication of the effective context (e.g., time) of the method. Any change in the method is stored in the data base along with an indication of the context in which it is effective, e.g., the time of effect of a change in the method in a temporal context. Execution of the method with a particular context argument utilizes the attributes of the effected data objects and the particular method which were in effect for the context. The context can be a particular time specified or a point of view or vantage point.

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